

Engineering Physics: Manufacturing

Suggested Plan of Study

2007-2008 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1525 Calculus I	5	*MATH 1545 Calculus II	5
ENGR 1212 Graphics	2	ENGR 1011 Engineering Methods	1
Social Science choice (ECON 2103, GEOG 2003, PSYC 2003, PSCI 2003, or SOC 1003 or 2003)	3	ENGR 1022 Engineering Materials & Forming Processes	2
HIST, 1003 or 1013 World History I or II	3	HIST 2013 or 2023 U.S. History I or II	3
GSTD 1002 Freshman Seminar	2	Social Science choice (ECON 2103, GEOG 2003, PSYC 2003, PSCI 2003, or SOC 1003 or 2003)	3
Total Semester Hours	18	Total Semester Hours	17
Fall - Semester 3		Spring - Semester 4	
ENGL 2213 World Literature I	3	ENGL 2223 World Literature II or PHIL 2403 Introduction to Philosophy	3
SPCH 1113 Introduction to Public Speaking	3	ENGR 2023 Fundamentals of Manufacturing Process	3
PHYS 2203/2201 University Physics I/Lab	4	PHYS 2213/2211 University Physics II/Lab	4
CHEM 1023/1021 University Chemistry I/Lab	4	CSCI 2113 Computer Science II	3
CSCI 2103 Computer Science I	3	ENGR 2033 Electrical Circuits I	3
		PHED 1501 Activity & Wellness	1
Total Semester Hours	17	Total Semester Hours	17
Fall - Semester 5		Spring - Semester 6	
ENGR 2143 Statics	3	PHYS 4153 Fluid Mechanics	3
PHYS 4043 Physical Mechanics	3	PHYS 4023 Solid State Physics	3
ITEC 3003 Quality Control	3	ITEC 3023 Production & Inventory Control	3
ITEC 3503 Computational Methods of Industrial Technology	3	ENGR 2003/2001 Industrial Instrumentation/Lab	4
Humanities choice (ART 2013, MUS 2013, or Foreign Language)	3	Humanities choice (ART 2013, or MUS 2013)	3
Total Semester Hours	15	Total Semester Hours	16
Fall - Semester 7		Spring - Semester 8	
ENGR 4933 Advanced Topics: Thermodynamics	3	PHYS 3103 Digital Electronics	3
ENGR 4912 Independent Study in Engineering	2	ITEC 4004 Manufacturing Policy & Ethics	4
ITEC 3063 Introduction Industrial Management	3	ITEC 4044 Advanced Manufacturing System	4
MATH 3043 Applied Probability & Statistics	3	AGEN 3003 Agricultural Engineering	3
PHED 1__1 PE Activity	1	PHYS 4691 Independent Study in Physics	1
Biological Science choice/Lab (BIOL 1033/1031, BIOL 1013/1011, BIOL 1023/1021, or BSCI 1013/1011)	4		
Total Semester Hours	16	Total Semester Hours	15

Total hours required for major – 131

*Manufacturing Engineers going into heat transfer processes should take: Math 2753, Math 3033 in sequence.